AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0001] at page 1, lines 5-12, with the following amended paragraph:

The following applications disclose related subject matter: U.S. application Ser. No. <u>10/627,274</u>~~(Attorney Docket No. 200208414-1)~~, filed <u>July 25, 2003</u>~~(on the same day as this application)~~ and entitled, "Determination of One or More Variables to Receive Value Changes in Local Search Solution of Integer Programming Problem"; and U.S. application Ser. No. <u>10/627,883</u>~~(Attorney Docket No. 200209180-1)~~, filed <u>July 25, 2003</u>~~(on the same day as this application)~~ and entitled, "Incorporating Constraints and Preferences for Determining Placement of Distributed Application onto Distributed Resource Infrastructure"; the contents of all of which are hereby incorporated by reference.

Please replace paragraph [0004] at page 1, lines 22-27, with the following amended paragraph:

A first method of the prior art uses parameters for individual nodes to determine a placement of the services onto the nodes. Such parameters include processing and storage capabilities of the nodes. ~~Services are placed onto the nodes so that processing and storage requirements of the services on a particular node do not the processing and storage capabilities of the node.~~

Please replace paragraph [0026] on page 5, lines 14-26, with the following amended paragraph:

An alternative distributed resource infrastructure is illustrated schematically in Figure 6. The alternative distributed resource infrastructure 600 comprises first through fourth nodes, 601..604, and fifth through Nth nodes, 605. Mathematically, the ~~fist~~ <u>first</u> through Nth nodes are expressed as $n \in \{1, 2, 3, ..., N\}$. Each pair of the nodes has an associated transport capacity. For example, a first transport capacity ct_{12} represents communication bandwidth between the first and second nodes, 601 and 602. A transport capacity matrix Ct lists the transport capacities between the first through Nth nodes, 601..605, as follows:

$$Ct = \begin{pmatrix} - & ct_{12} & ct_{13} & .. & ct_{1N} \\ ct_{21} & - & ct_{23} & .. & ct_{2N} \\ ct_{31} & ct_{32} & - & .. & dt_{3N} \\ .. & .. & .. & - & .. \\ ct_{N1} & ct_{N3} & ct_{N3} & .. & - \end{pmatrix}$$